EAST Search History

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L1	21822821	@ad<"20011228"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:05
L2	48304	"709"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:06
L3	31055	"711"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:06
L4	53	(Peter near2 Camble).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:09
L5	113	(Stephen near2 Gold).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:09
L6	196	(Ian near2 Peter).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:09
L7	33	(Ian near2 Crighton).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L8	66	(Curtis near2 Ballard).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
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L10	71351	(restrict$4 or secur$4) near3 acces$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L11	475571	partition$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
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L18	27	L17 and L16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
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L25	8128	L14 same L16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L26	8128	L14 same L16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
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L28	45	L26 and L15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L29	12	L28 and L19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10

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L30	12	L28 and L19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L31	2	L22 and L30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L32	596	library adj controller	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L33	6435	(ID or identification$2 or (serial adj number$4)) near2 drive$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L34	612	library adj (controler or controller or controller$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L35	21	L33 and L34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
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L40	408	L38 and L39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L41	5	L15 and L40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L42	862	((serial adj number$2) or id or identification) same (match$4 or identical) same (EEPROM or eprom or prom)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L43	1657	media near2 library	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10
L44	1	L42 and L43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/04 22:10

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Relevance scale

1 Serverless network file systems

T. E. Anderson, M. D. Dahlin, J. M. Neefe, D. A. Patterson, D. S. Roselli, R. Y. Wang

December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles SOSP '95**, Volume 29 Issue 5

Publisher: ACM Press

Full text available: pdf(2.48 MB) Additional Information: full citation, references, citings, index terms

2 Lightweight recoverable virtual memory

M. Satyanarayanan, Henry H. Mashburn, Puneet Kumar, David C. Steere, James J. Kistler

December 1993 **ACM SIGOPS Operating Systems Review , Proceedings of the fourteenth ACM symposium on Operating systems principles SOSP '93**, Volume 27 Issue 5

Publisher: ACM Press

Full text available: pdf(1.53 MB) Additional Information: full citation, abstract, references, citings, index terms

Recoverable virtual memory refers to regions of a virtual address space on which transactional guarantees are offered. This paper describes *RVM*, an efficient, portable, and easily used implementation of recoverable virtual memory for Unix environments. A unique characteristic of RVM is that it allows independent control over the transactional properties of atomicity, permanence, and serializability. This leads to considerable flexibility in the use of RVM, potentially enlarging the ...

3 OceanStore: an architecture for global-scale persistent storage

John Kubiatowicz, David Bindel, Yan Chen, Steven Czerwinski, Patrick Eaton, Dennis Geels, Ramakrishna Gummadi, Sean Rhea, Hakim Weatherspoon, Chris Wells, Ben Zhao

November 2000 **ACM SIGARCH Computer Architecture News , ACM SIGOPS Operating Systems Review , Proceedings of the ninth international conference on Architectural support for programming languages and operating systems ASPLOS-IX**, Volume 28 , 34 Issue 5 , 5

Publisher: ACM Press

Full text available: pdf(166.53 KB) Additional Information: full citation, abstract, references, citings, index terms

OceanStore is a utility infrastructure designed to span the globe and provide continuous

access to persistent information. Since this infrastructure is comprised of untrusted servers, data is protected through redundancy and cryptographic techniques. To improve performance, data is allowed to be cached anywhere, anytime. Additionally, monitoring of usage patterns allows adaptation to regional outages and denial of service attacks; monitoring also enhances performance through pro-active movement ...

4 OceanStore: an architecture for global-scale persistent storage

John Kubiatowicz, David Bindel, Yan Chen, Steven Czerwinski, Patrick Eaton, Dennis Geels, Ramakrishan Gummadi, Sean Rhea, Hakim Weatherspoon, Westley Weimer, Chris Wells, Ben Zhao

November 2000 **ACM SIGPLAN Notices**, Volume 35 Issue 11

Publisher: ACM Press

Full text available: pdf(1.47 MB) Additional Information: full citation, abstract, references, index terms

OceanStore is a utility infrastructure designed to span the globe and provide continuous access to persistent information. Since this infrastructure is comprised of untrusted servers, data is protected through redundancy and cryptographic techniques. To improve performance, data is allowed to be cached anywhere, anytime. Additionally, monitoring of usage patterns allows adaptation to regional outages and denial of service attacks; monitoring also enhances performance through pro-active movement ...

5 Bibliography of recent publication in computer networking

July 1989 **ACM SIGCOMM Computer Communication Review**, Volume 19 Issue 3

Publisher: ACM Press

Full text available: pdf(2.53 MB) Additional Information: full citation, index terms

6 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann

January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1

Publisher: ACM Press

Full text available: pdf(2.54 MB) Additional Information: full citation

7 Efficient management for large-scale flash-memory storage systems with resource conservation

Li-Pin Chang, Tei-Wei Kuo

November 2005 **ACM Transactions on Storage (TOS)**, Volume 1 Issue 4

Publisher: ACM Press

Full text available: pdf(1.45 MB) Additional Information: full citation, abstract, references, index terms

Many existing approaches on flash-memory management are based on RAM-resident tables in which one single granularity size is used for both address translation and space management. As high-capacity flash memory is becoming more affordable than ever, the dilemma of how to manage the RAM space or how to improve the access performance is emerging for many vendors. In this article, we propose a tree-based management scheme which adopts multiple granularities in flash-memory management. Our objective ...

Keywords: Flash memory, consumer electronics, embedded systems, memory management, portable devices, storage systems

8 D-SPTF: decentralized request distribution in brick-based storage systems

Christopher R. Lumb, Richard Golding

October 2004 **ACM SIGPLAN Notices , ACM SIGARCH Computer Architecture News , ACM SIGOPS Operating Systems Review , Proceedings of the 11th international conference on Architectural support for programming languages and operating systems ASPLOS-XI**, Volume 39 , 32 , 38 Issue 11 , 5 , 5
Publisher: ACM Press
Full text available: pdf(328.72 KB) Additional Information: full citation, abstract, references, index terms

Distributed Shortest-Positioning Time First (D-SPTF) is a request distribution protocol for decentralized systems of storage servers. D-SPTF exploits high-speed interconnects to dynamically select which server, among those with a replica, should service each read request. In doing so, it simultaneously balances load, exploits the aggregate cache capacity, and reduces positioning times for cache misses. For network latencies expected in storage clusters (e.g., 10--200μs), D-SPTF performs as ...

Keywords: brick based storage, decentralized systems, disk scheduling, distributed systems, storage systems

9 Disk cache replacement algorithm for storage resource managers in data grids
Ekow Otoo, Frank Olken, Arie Shoshani
November 2002 **Proceedings of the 2002 ACM/IEEE conference on Supercomputing**
Publisher: IEEE Computer Society Press
Full text available: pdf(166.85 KB) Additional Information: full citation, abstract, references, citings, index terms

We address the problem of cache replacement policies for Storage Resource Managers (SRMs) that are used in Data Grids. An SRM has a disk storage of bounded capacity that retains some N objects. A replacement policy is applied to determine which object in the cache needs to be evicted when space is needed. We define a utility function for ranking the candidate objects for eviction and then describe an efficient algorithm for computing the replacement policy based on this function. This computatio ...

Keywords: cache replacement algorithm, data staging, file caching, storage resource management, trace-driven simulation

10 Risks to the public in computer systems
Peter G. Neumann
October 1986 **ACM SIGSOFT Software Engineering Notes**, Volume 11 Issue 5
Publisher: ACM Press
Full text available: pdf(2.19 MB) Additional Information: full citation, index terms

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